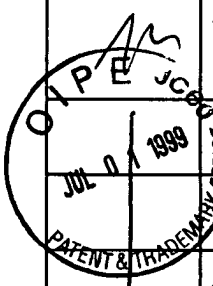
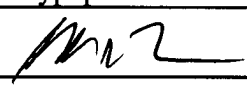
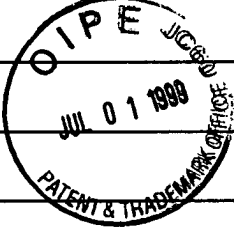


			ATTY. DOCKET NO. 06137.0021.US02	APPLICATION NO. 09/181,601
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT			APPLICANT: Stephen Anderson, <i>et al.</i>	
			FILING DATE: October 29, 1998	GROUP ART UNIT: 4643/65
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				
	AA	2 ✓	Grzesiek, <i>et al.</i> , "A simple and sensitive experiment for measurement for measurement of J <sub>CC</sub> couplings between backbone carbonyl and methyl carbons in isotopically enriched proteins" <i>J. Biomol. NMR</i> <b>3</b> : 487-93 (1993).	
	AB	2 ✓	Holm, <i>et al.</i> , "Alignment of Three-Dimensional Protein Structures: Network Server for Database Searching" <i>Methods Enzymol.</i> <b>266</b> : 653-62 (1996).	
	AC	2 ✓	Holm, <i>et al.</i> , "Protein Structure Comparison by Alignment of Distance Matrices" <i>J. Mol. Biol.</i> <b>233</b> : 123-38 (1993).	
	AD	2 ✓	Holm, <i>et al.</i> , "Mapping the Protein Universe" <i>Science</i> <b>273</b> : 595-603 (1996).	
	AE	2 ✓	Holm, <i>et al.</i> , "X-ray Crystal Structure of the protease Inhibitor Domain of Alzheimer's Amyloid $\beta$ -Protein Precursor" <i>Science</i> <b>273</b> : 595-603 (1996).	
	AF	2 ✓	Ikura, <i>et al.</i> , "Heteronuclear 3D NMR and Isotopic Labeling of Calmodulin" <i>Biochem. Pharmacol.</i> <b>40</b> : 153-60 (1990).	
	AG	2 ✓	Ikura, <i>et al.</i> , "An efficient NMR approach for obtaining sequence-specific resonance assignments of larger proteins based on multiple isotopic labeling" <i>FEBS Lett.</i> <b>266</b> : 155-58 (1990).	
	AH	2 ✓	Ikura, <i>et al.</i> , "Macromolecular Binding Equilibria in the <i>lac</i> Repressor System: Studies Using High-Pressure Fluorescence Spectroscopy" <i>Biochem.</i> <b>29</b> : 4659-67 (1990).	
	AI	2 ✓	Kumar, <i>et al.</i> , "Algorithms for Constraint-Satisfaction Problems: A Survey" <i>Artificial Intelligence Mag.</i> , <b>Spring</b> : 32-44 (1992).	
	AJ	2 ✓	Laity, <i>et al.</i> , "Structural Characterization of an Analog of the Major Rate-Determining Disulfide Folding Intermediate of Bovine Pancreatic Ribonuclease A" <i>Biochem.</i> <b>36</b> : 12683-99 (1997).	
	AK	2 ✓	Lyons, <i>et al.</i> , "An Improved Strategy for Determining Resonance Assignments for Isotopically Enriched Proteins and Its Application to an Engineered Domain of Staphylococcal Protein A" <i>Biochemistry</i> <b>32</b> : 7839-45 (1993).	
	AL	2 ✓	Madej, <i>et al.</i> , "Metal Search: A Computer Program That Helps Design Tetrahedral Metal-Binding Sites" <i>Proteins</i> <b>23</b> : 256-69 (1995).	
	AM	2 ✓	Meadows, "A computer-based protocol for semiautomated assignments and 3D structure determination of proteins" <i>J. Biomol. NMR</i> <b>4</b> : 79-86 (1994).	
	AN	2 ✓	Montelione, <i>et al.</i> , "Imaging and Localized Spectroscopy of <sup>13</sup> C by Polarization Transfer" <i>J. Magn. Res.</i> <b>83</b> : 183-88 (1990).	
	AO	2 ✓	Montelione, <i>et al.</i> , "Sequence-specific <sup>1</sup> H-NMR assignments and identification of two small antiparallel $\beta$ -sheets in the solution structure of recombinant human transforming growth factor $\alpha$ " <i>Proc. Natl. Acad. Sci (U.S.A)</i> <b>86</b> : 1519-23 (1989).	
AP	2 ✓	Montelione, <i>et al.</i> , "A General Approach for Determining Scalar Coupling Constants in Polypeptides and Proteins" <i>Biopolymers</i> <b>32</b> : 327-34 (1992).		
EXAMINER 			DATE CONSIDERED 10/6/98	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.				

			ATTY. DOCKET NO. 06137.0021.US02	APPLICATION NO. 09/181,601
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT			APPLICANT: Stephen Anderson, <i>et al.</i>	
			FILING DATE: October 29, 1998	GROUP ART UNIT: 1643/655
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				
<i>12</i>	AA	<u>4</u> ✓	Yamazaki, <i>et al.</i> , "Secondary structure and signal assignments of human-immunodeficiency-virus-1 protease complexed to a novel, structure-based inhibitor" <i>Eur. J. Biochem.</i> <b>219</b> : 707-12 (1994). ✓	
<i>1</i>	AB	<u>4</u> ✓	Zimmerman, <i>et al.</i> , "Automated sequencing of amino acid spin systems in proteins using multidimensional HCC(CO)NH-TOCSY spectroscopy and constraint propagation methods from artificial intelligence" <i>J. Biomol. NMR</i> <b>4</b> : 241-256 (1994). ✗	
<i>1</i>	AC	<u>4</u> ✓	Zimmerman, <i>et al.</i> , "Automated analysis of nuclear magnetic resonance assignments for proteins" <i>Curr. Opin. Struct. Bio.</i> <b>5</b> : 644-73 (1995). ✗	
<i>12</i>	AD	<u>4</u> ✓	Zimmerman, <i>et al.</i> , "Automated Analysis of Protein NMR Assignments Using Methods from Artificial Intelligence" <i>J. Mol. Bio.</i> <b>269</b> : 592-610 (1997). ✗	
	AE	<u>4</u>		
	AF	<u>4</u>		
	AG	<u>4</u>		
	AH	<u>4</u>		
	AI	<u>4</u>		
	AJ	<u>4</u>		
	AK	<u>4</u>		
	AL	<u>4</u>		
	AM	<u>4</u>		
	AN	<u>4</u>		
	AO	<u>4</u>		
	AP	<u>4</u>		
	AQ	<u>4</u>		
	AR	<u>4</u>		
	AS	<u>4</u>		
EXAMINER <i>12</i>			DATE CONSIDERED <i>10/6/98</i>	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.				

			ATTY. DOCKET NO. 06137.0021.US02	APPLICATION NO. 09/181,601
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT			APPLICANT: Stephen Anderson, <i>et al.</i>	
			FILING DATE: October 29, 1998	GROUPTART UNIT 1643/155 JUL 01 1999 OIPE
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				
12	AA	1 ✓	Bagby, <i>J. Biomol.</i> , "The button test: A small scale method using microdialysis cells for assessing protein solubility at concentrations suitable for NMR" <i>NMR</i> <b>10</b> : 279-82 (1997).	
	AB	1 ✓	Billeter, <i>et al.</i> , "Sequential Resonance Assignments in Protein <sup>1</sup> H Nuclear Magnetic Resonance Spectra" <i>J. Mol. Biol.</i> <b>155</b> : 321-46 (1982).	
	AC	1 ✓	Billeter, <i>et al.</i> , "A Program for Semi-automatic Sequential Resonance Assignments in Protein <sup>1</sup> H Nuclear Magnetic Resonance Spectra" <i>J. Magn. Resonance</i> <b>76</b> : 400-415 (1988).	
	AD	1 ✓	Bork, <i>et al.</i> , "From genome sequences to protein function" <i>Curr. Opin. Struct. Bio.</i> <b>4</b> : 393-403 (1994).	
	AE	1 ✓	Branden, <i>et al.</i> <i>Introduction to Protein Structure</i> pp. 11-31 and 43-57 (New York: Garland Publishing, Inc., 1991).	
	AF	1 ✓	Brenner, <i>et al.</i> , "Assessing sequence comparison methods with reliable structurally identified distant evolutionary relationships" <i>Proc. Natl. Acad. Sci (U.S.A.)</i> <b>95</b> : 6073-78 (1998).	
	AG	1 ✓	Chiang, <i>et al.</i> , "Structural Studies on the Cysteine-Rich N-terminal Domain of the Alzheimer's Amyloid β Peptide Precursor Protein" <i>Neurobiol. Aging, Supplement</i> <b>17(4S)</b> : abstract 393 (1996).	
	AH	1 ✓	Clore, <i>et al.</i> , "Multidimensional heteronuclear Nuclear Magnetic Resonance of Proteins" <i>Methods Enzymol.</i> <b>239</b> : 349-63 (1994).	
	AI	1 ✓	Clore, <i>et al.</i> , "Structures of Larger Proteins, protein-Ligand and Protein-DNA Complexes by Multi-Dimensional Heteronuclear NMR" <i>Prog. Biophys. Mol. Bio.</i> <b>62</b> : 153-84 (1994).	
	AJ	1 ✓	Clore, <i>et al.</i> , "Two-, Three-, and Four-Dimensional NMR Methods for Obtaining Larger and More Precise Three-Dimensional Structures of Proteins in Solution <sup>1</sup> " <i>Ann. Rev. Biophys. Biophys. Chem.</i> <b>20</b> : 29-63 (1991).	
	AK	1 ✓	Feng, <i>et al.</i> , "Solution NMR Structure and Backbone Dynamics of the Major Cold-Shock Protein (CspA) from <i>Escherichia coli</i> : Evidence for conformational Dynamics in the Single-Stranded RNA-Binding Site" <i>Biochem.</i> <b>37</b> : 10881-96 (1998).	
	AL	1 ✓	Friedrichs, <i>et al.</i> , "An automated procedure for the assignment of protein <sup>1</sup> HN, <sup>15</sup> N, <sup>13</sup> C <sup>α</sup> , <sup>1</sup> H <sup>α</sup> , <sup>13</sup> C <sup>β</sup> and <sup>1</sup> H <sup>β</sup> resonances" <i>J. Biomol. NMR</i> <b>4</b> : 703-726 (1994).	
	AM	1 ✓	Gibrat, <i>et al.</i> , "Surprising similarities in structure comparison" <i>Current Opinion in Structural Biology</i> <b>6</b> : 377-85 (1996).	
	AN	1 ✓	Go, "Protein structures and split genes" <i>Advances in Biophysics</i> <b>19</b> : 91-131 (Elsevier, 1995).	
12	AO	1 ✓	Gouzey, <i>et al.</i> , "Graphical interface for ProDom domain families" <i>Trends Biochem. Sci.</i> , <b>21</b> : 493 (1994).	
EXAMINER			DATE CONSIDERED 10/6/98	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.				

			ATTY. DOCKET NO. 06137.0021.US02	APPLICATION NO. 09/181,601
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT			APPLICANT: Stephen Anderson, <i>et al.</i>	
			FILING DATE: October 29, 1998	GROUP ART UNIT: <del>1643</del> /655
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				
	AA	3	✓	Montelione, <i>et al.</i> , "Solution Structure of Murine Epidermal Growth Factor Determined by NMR Spectroscopy and Refined by Energy Minimization with Restraints" <i>Biochemistry</i> <b>31</b> : 236-49 (1992).
	AB	3	✓	Mumenthaler, <i>et al.</i> , "Automated Assignment of Simulated and Experimental NOESY Spectra of Proteins by Feedback Filtering and Self-correcting Distance Geometry" <i>J. Mol. Bio.</i> <b>254</b> : 465-480 (1995).
	AC	3	✓	Nilges, "Calculation of Protein Structures with Ambiguous Distance Restraints. Automated Assignment of Ambiguous NOE Crosspeaks and Disulphide Connectivities" <i>J. Mol. Biol.</i> <b>245</b> : 645-60 (1995).
	AD	3	✓	Olsen, <i>et al.</i> , "Evaluation of an algorithm for the automated sequential assignment of protein backbone resonances: A demonstration of the connectivity tracing assignment tools (CONTRAST) software package" <i>J. Biomol. NMR</i> <b>4</b> : 385-410 (1994).
	AE	3	✓	Orengo, "CATH - a hierarchic classification of protein domain structures" <i>Structure</i> <b>5</b> : 1093-1108 (1997).
	AF	3	✓	Patthy, <i>et al.</i> , "Introns and Exons" <i>Curr. Opin. Struc. Biol.</i> <b>4</b> : 383-92 (1994).
	AG	3	✓	Rios, <i>et al.</i> , "Phase labeling of C-H and C-C spin-system topologies: Application in constant-time PFG-CBCA(CO)NH experiments for discriminating amino acid spin-system types" <i>J. Biomol. NMR</i> <b>8</b> : 345-350 (1996).
	AH	3	✓	Sandbrink, <i>et al.</i> , "Alternative Splicing Generates Functionally Related isoforms <sup>6a</sup> " <i>Ann. NY Acad. Sci.</i> <b>777</b> : 281-87 (1996).
	AI	3	✓	Shang, <i>et al.</i> , "Sensitivity Enhancement of Triple-Resonance Protein NMR Spectra by Proton Evolution of Multiple-Quantum Coherences using a Simultaneous <sup>1</sup> H and <sup>13</sup> C Constant-Time Evolution Period" <i>J. Amer. Chem. Soc.</i> <b>119</b> : 9274-78 (1997).
	AJ	3	✓	Shimotakahara, <i>et al.</i> , "NMR Structural Analysis of an Analog of an Intermediate Formed in the Rate-Determining Step of One Pathway in the Oxidative Folding of Bovine Pancreatic Ribonuclease A: Automated Analysis of <sup>1</sup> H, <sup>13</sup> C, and <sup>15</sup> N Resonance Assignments for Wild-Type and [C65S, C72S] Mutant Forms" <i>Biochem.</i> <b>36</b> : 6915-29 (1997).
	AK	3	✓	Swapana, <i>et al.</i> , "Application of multiple-quantum line narrowing with simultaneous <sup>1</sup> H and <sup>13</sup> C constant-time scalar-coupling evolution in PFG-HACANH and PFG-HACA(CO)NH triple-resonance experiments" <i>J. Biomol. NMR</i> <b>9</b> : 105-111 (1997).
	AL	3	✓	Tashiro, <i>et al.</i> , "High-resolution Solution NMR Structure of the Z Domain of Staphylococcal Protein A" <i>J. Mol. Biol.</i> <b>272</b> : 573-90 (1997).
	AM	3	✓	Wuthrich, "Protein Structure Determination in Solution by Nuclear Magnetic Resonance Spectroscopy" <i>Science</i> <b>243</b> : 45-50 (1989).
	AN	3	✓	Wuthrich, "NMR - This Other Method for Protein and Nucleic Acid Structure Determination" <i>Acta Cryst. Section D.</i> <b>51</b> : 249-70 (1995).
	AO	3	✓	Yashikai, <i>et al.</i> , "Genomic organization of the human amyloid beta-protein precursor gene" <i>Gene</i> <b>87</b> : 257-63 (1990).
EXAMINER			DATE CONSIDERED 10/6/98	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.				

